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Engineering Dept.,  
New York.

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Issue 1 - BT-431753.  
October 5, 1920.

METHOD OF OPERATION  
OVERFLOW REGISTER CIRCUIT

Permanent Signal Trunk Group - Sender Monitor Operator - Trouble Desk - Full  
Mechanical Power Driven System.

GENERAL DESCRIPTION

1. This circuit is used at the trouble desk to light a lamp at the sender monitoring position as an indication that the district selector has gone to the overflow terminals of a permanent signal trunk group. It is common to the overflow terminals of the permanent signal trunk groups of all district frames.

DETAILED DESCRIPTION

OPERATION

2. When a district selector connects to the terminals of this circuit and advances, ground is temporarily connected to battery through lead T, and the windings of the L relay and 5-P message register in series which operate. The L relay operated, locks to ground on its armature and closes a circuit from ground on its armature to battery, through the winding of the OF relay, 2-G lamp and relay in the associated auxiliary signal circuit operating the relays and lighting the lamp under control of the NL key.

3. The 5-P message register operated, short circuits the winding of the L relay which releases.

4. When the non-locking key associated with the lighted lamp at the sender monitoring position is operated, the lamp is extinguished and the OF relay releases restoring the circuit to normal.

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CIRCUIT REQUIREMENTS

	<u>OPERATE</u>	<u>NON-OPERATE</u>	<u>RELEASE</u>
Special A	Test .036 amp.	Test .026 amp.	
7-10541	Readj. .034 amp.	Readj. .028 amp.	
(L)			
B10	Test .045 amp.		Test .0038 amp.
(OF)	Readj. .025 amp.		Readj. .004 amp.
5-P	Test .070 amp.	Test .060 amp.	
Message			
Register			

ENG.--HBH-VL.  
7-22-22.

CHK'D.--CAL.

APPROVED - C. L. SLUYTER, C.M.L.